



Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A hashing system that is configured to receive a sequence of data values and a source hash value, comprising:

a plurality of hash devices,

each hash device of the plurality of hash devices being configured to receive a subset of the sequence of data values and apply a hash function to the received subset data value of the sequence of data values when enabled, wherein at least one of the plurality of hash devices is configured to receive a portion of the sequence of data values that overlaps with a portion of the sequence of data values that is received by another one of the plurality of hash devices; and

at least one comparator, operably coupled to the plurality of hash devices, that is configured to compare an output of each hash device to the source hash value, to facilitate a verification of the sequence of data values.

2. (Original) The hashing system of claim 1, wherein

each hash device is enabled sequentially.

3. (Currently amended) The hashing system of claim 1, wherein each hash function is enabled for a duration of receiving K data samples, and

the plurality of hash devices corresponds to K hash devices.

4. (Currently amended) A method of determining a correspondence between a sequence of received data values and a source, based on a source hash value that corresponds to a subset of source data values, the method comprising:

selectively enabling one or more hash elements of a plurality of hash elements upon the occurrence of each data value of the sequence of received data values, wherein at least one of the plurality of hash elements receives a data value that at least partially overlaps with a data value that is received by an other of the plurality of hash elements,

hashing each data value with each enabled hash element to produce a determined hash value corresponding to each of the one or more hash elements, and

comparing each determined hash value to the source hash value to determine the correspondence between the sequence of received data values and the source.

5. (Original) The method of claim 4, wherein  
selectively enabling the one or more hash elements includes  
sequentially enabling each of the one or more hash elements.

6. (Original) The method of claim 4, wherein  
selectively enabling the one or more hash elements includes  
enabling each of the one or more hash elements for a duration  
corresponding to K data values, and  
the one or more hash elements correspond to K hash elements.